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Filed : March 19, 2004
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Attorney's Docket No.: 200311298-1
Amendment dated Feb. 13, 2008
Reply to Office action dated Nov. 27, 2007

Amendments to the Claims

The following Listing of Claims replaces all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): An image processing apparatus, comprising:

a port configured to receive a portable data storage device having a memory configured to store a collection of image data and a digital label including a plurality of display elements each capable of presenting one of at least two possible colors;

a label composer operable to ~~select~~designate ~~at least one~~an image in a collection of images ~~data~~being stored in the memory of a portable data storage device received in the port as a representative image that represents ~~of~~ the images ~~data~~in the collection; and

a print module coupled to the port and the label composer and operable to selectively configure the display elements in the digital label of the portable data storage device received in the port to print ~~at least one~~an image ~~respectively~~corresponding to the ~~at least one~~ representative image ~~selected~~designated by the label composer.

Claim 2 (original): The apparatus of claim 1, wherein the label composer is operable to drive the print module to print a reduced-resolution image of a higher resolution image being stored in the memory of the portable data storage device received in the port.

Claim 3 (currently amended): The apparatus of claim 1, wherein the label composer ~~selects~~designates the ~~at least one~~representative image based on time stamp data associated with the ~~collection of~~images ~~data~~being stored in the memory of a portable data storage device received in the port.

Claim 4 (currently amended): The apparatus of claim 1, further comprising a user interface configured to present to a user images corresponding to the images in the collection ~~of image data~~being stored in the memory of the portable data storage device received in the port.

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Claim 5 (currently amended): The apparatus of claim 4, wherein the user interface is configured to present for selection by the user a sequence of images corresponding to the images in the collection ~~data~~ being stored in the memory of the portable data storage device received in the port.

Claim 6 (currently amended): The apparatus of claim 1, wherein the label composer is operable to ~~select~~designate the ~~at least one~~representative image before any of the images in the collection are ~~data is~~ stored in the memory of the portable data storage device received in the port.

Claim 7 (currently amended): The apparatus of claim 1, wherein the label composer is operable to ~~select~~designate the ~~at least one~~representative image after the images in the collection have ~~data has~~ been stored in the memory of the portable data storage device received in the port.

Claim 8 (original): The apparatus of claim 1, further comprising an optical lens and an image sensor for capturing images received through the optical lens.

Claim 9 (currently amended): A machine-implemented image processing method, comprising:

~~selecting at least one~~designating an image in a collection of images ~~data~~ being stored in a portable data storage device as a representative image that represents ~~of~~ the images in the ~~data~~ collection, the portable data storage device having a memory configured to store the collection of images ~~data~~ and a digital label including a plurality of switchable display elements each capable of presenting one of at least two possible colors; and

selectively orienting the display elements in the digital label of the portable data storage device to print ~~at least one~~an image ~~respectively~~corresponding to the ~~at least one selected~~ designated representative image.

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Claim 10 (original): The method of claim 9, further comprising printing on the digital label a reduced-resolution image of a higher resolution image being stored in the memory of the portable data storage device.

Claim 11 (currently amended): The method of claim 9, wherein the ~~at least one~~ representative image is ~~selected~~ designated based on time stamp data associated with the images in the collection ~~of image data~~ being stored in the memory of the portable data storage device.

Claim 12 (currently amended): The method of claim 9, further comprising presenting to a user images corresponding to the images in the collection ~~of image data~~ being stored in the memory of the portable data storage device.

Claim 13 (currently amended): The method of claim 12, wherein a sequence of images corresponding to the images in the collection ~~data~~ being stored in the memory of the portable data storage device is presented for selection by the user.

Claim 14 (currently amended): An image processing apparatus, comprising:

means for ~~selecting at least one~~ designating an image in a collection of images ~~data~~ being stored in a portable data storage device as a representative image that represents ~~of~~ the images in the ~~data~~ collection, the portable data storage device having a memory configured to store the collection of images ~~data~~ and a digital label including a plurality of switchable display elements each capable of presenting one of at least two possible colors; and

means for selectively orienting the display elements in the digital label of the portable data storage device to print ~~at least one~~ an image ~~respectively~~ corresponding to the ~~at least one~~ ~~selected~~ designated representative image.

Claim 15 (original): The apparatus of claim 14, further comprising means for printing on the digital label a reduced-resolution thumbnail of an image being stored in the memory of the portable data storage device.

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Claim 16 (currently amended): The apparatus of claim 14, further comprising means for presenting to a user images corresponding to the images in the collection of image data being stored in the memory of the portable data storage device.

Claim 17 (currently amended): A machine-readable medium storing machine-readable instructions for causing a machine to:

select at least one designate an image in a collection of images data being stored in a portable storage data device as a representative image that represents of the images in the data collection, the portable data storage device having a memory configured to store the collection of images data and a digital label including a plurality of switchable display elements each capable of presenting one of at least two possible colors; and

selectively orient the display elements in the digital label of the portable data storage device to print at least one an image respectively corresponding to the at least one selected designated representative image.

Claim 18 (original): The medium of claim 17, further comprising machine-readable instructions for causing the machine to print on the digital label a reduced-resolution thumbnail of an image being stored in the memory of the portable data storage device.

Claim 19 (currently amended): The medium of claim 9 17, further comprising machine-readable instructions for causing the machine to present to a user images corresponding to the images in the collection of image data being stored in the memory of the portable data storage device.

Claim 20 (currently amended): A data storage system, comprising:

a memory configured to store a collection of images data;

a digital label including a plurality of display elements each capable of presenting one of at least two possible colors;

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a label composer operable to ~~select~~designate an image in a collection of images ~~data~~ stored in the memory as ~~an image~~ a representative image that represents~~of~~ the images in the ~~data~~ collection;

a label adapter coupled to the digital label and operable to selectively configure the display elements in the digital label to present ~~at least one~~ an image corresponding to the representative image ~~selected~~ designated by the label composer; and

a portable housing configured to plug into a port of an external device, the portable housing containing the memory and the label adapter, and having a surface supporting the digital label.

Claim 21 (original): The system of claim 20, wherein the label composer is operable to drive the label adapter to present on the digital label a reduced-resolution thumbnail of an image stored in the memory.

Claim 22 (currently amended): The system of claim 20, wherein the label composer ~~selects~~ designates the ~~at least one~~ representative image based on time stamp data associated with the images in the collection ~~of image data~~ stored in the memory.

Claim 23 (currently amended): The system of claim 22, wherein the label composer ~~selects~~ designates as a representative image an image corresponding to one of the images ~~data~~ in the collection associated with a latest time stamp.

Claim 24 (currently amended): The system of claim 22, wherein the label composer ~~selects~~ designates the ~~at least one~~ representative image based on user input.

Claim 25 (currently amended): The system of claim 24, wherein the label adapter is configured to present on the digital label images corresponding to ones of the images in the ~~image data~~ collection stored in the memory.

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Claim 26 (currently amended): The system of claim 25, further comprising a user input, wherein the label composer ~~selects an image selected by the user through the user input~~ designates as ~~a~~the representative image one of the presented image selected by the user input.

Claim 27 (currently amended): The system of claim 26, wherein the label adapter is configured to present for selection by the user a sequence of images corresponding to the images in the collection-~~data~~ stored in the memory.

Claim 28 (currently amended): The system of claim 27, wherein the sequence of images presented by the label adapter is ordered in accordance with time stamp data associated with the images in the collection-~~data~~ stored in the memory.

Claim 29 (original): The system of claim 20, wherein the housing contains the label composer.

Claim 30 (original): The system of claim 20, further comprising an external power source comprising a housing configured to connect to the portable housing and containing a power supply and the label composer.